



AMB
Tronic®
the power to lead



AMB-ON-PLUS-33 UPS Series 10-80kVA



Server



Telecom



Industrial



Network



Hospitality



Medical

ambtronic.com



5" Touch LCD Panel

• DSP technology guarantees high reliability

DSP and MCU dual chips to secure the product reliability.

• Output power factor 1

For critical applications, this 3-phase online UPS with output power factor 1.0 ensures higher efficiency and advanced performance.

• Adapting the latest Silicon carbide diodes to enhance the system efficiency

Through adapting the latest Silicon carbide diodes, no matter it's in AC mode and battery mode, the efficiency is higher than 96%.

• Dual Inputs

AMB-On-Plus 33 series is also available for optional dual inputs to support various inputs to have flexibility for system configuration.

• Very powerful charger to shorten the recharge time

Adapting the charger rating equals to 30% of UPS capacity on 10/20Kva. Charger rating is also 20% of UPS capacity for 30Kva and above models.

• Adjustable charging current

Users can adjust charging current via LCD setting based on various battery configurations.

• Parallel up to 6 units with common battery pack

Supports maximum 6 units in parallel with common battery pack for the parallel system.

• 5" color touch type LCD display

Inbuilt 5" color touch type LCD display with 500 event/data logs.

• Optional programmable relay dry contact card

Configurable 4 dry contact ports definition through software for various applications.

• Voice warning / error code notice

Inbuilt the speaker to have human voice for the warning / error codes notice instead of traditional beeps.

• High overload capability

Supporting 110% overload capacity for 60 min and up to 1 min overload condition at 150% load.

• Adjustable battery design

The number of connected batteries can be adjusted flexibly based on different power demands.

• Dynamic password feature optimizes service performance

This dynamic password is automatically generated from our exclusive utility tool. Each time when it is required to change service-related settings, this utility tool would generate an unique password on time basis. It secures UPS from unexpected operation due to unauthorized settings.

• Power walk-in function

AMB-On-Plus 33 is designed to have flexible power walk-in by way of adjusting the power walk-in time. This setting will optimize generator sizing and reduce the impact to the AC source by having different walk-in time period for different paralleled UPS system when AC grid is recovered.

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MODEL	10000 (L)*	15000(L)	20000 (L)*	30000 (L)*	40000 (L)	60000L	80000L	
PHASE	3-phase in / 3-phase out							
CAPACITY	10KVA /10KW	15KVA /15KW	20KVA /20KW	30KVA /30KW	40KV /40KW	60KVA /60KW	80KVA /80KW	
PARALLEL CAPABILITY	up to 6 units in parallel							
INPUT								
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)							
Voltage Range	-30% ~ +20%							
Frequency Range	40~70 Hz							
Power Factor	@ 0.99 @ 100% Load							
Harmonic Distortion (THDi)	< 3% at full linear load							
OUTPUT								
Output Voltage	3 x 360*/380/400/415 VAC (3Ph+N)/ 208*/220/230/240VAC (Ph-N)							
AC Voltage Regulation (Batt. Mode)	± 1%							
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz							
Frequency Range (Batt. Mode)	50/60 Hz ± 1%							
Current Crest Ratio	3:1 (max.)							
Harmonic Distortion	@ 1 % THD (Linear Load) ; @ 3 % THD (Non-linear Load)							
Transfer Time	AC Mode to Batt. Mode	Zero						
	Inverter to Bypass	Zero						
Waveform (Batt. Mode)	Pure Sine wave							
Overload Capability	100-110% for 60 min, 111-125% for 10 min, 126%~150% for 1 min; >150% or 400ms							
BYPASS								
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)							
Voltage Range	-30% ~ +20% (Adjustable)							
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz							
Overload Capability	> 130% 1 minute (default) Continuously working until breaker protection (optional)							
EFFICIENCY								
AC Mode	96.0%							
ECO Mode	99.0%							
Battery Mode	96.0%							
BATTERY								
Standard Model	Battery Type	12 V/9 Ah	12 V/9 Ah	12 V/9 Ah	12 V/7 Ah	12 V/9 Ah	N/A	
	Numbers	(10+10) pcs	(16+16) pcs	(16+16) pcs	(16+16) pcs x 2 strings			
	Typical Recharge Time	9 hours recover to 90% capacity						
	Charging Current (max.)	1A ~ 12A (Adjustable)				1A ~ 16 A (Adjustable)		
	Charging Voltage	+/-136.5 VDC ± 10%	+/-218 VDC ± 10%					
Long-run Model	Battery Type	Depending on the applications						
	Numbers	+/- 10 pcs	+/-16 pcs ~ +/- 20 pcs (Adjustable)					
	Charging Current (max.)	1A ~ 12A (Adjustable)			1A ~ 16 A (Adjustable)	2A ~ 24 A (Adjustable)	2A ~ 32A (Adjustable)	
	Charging Voltage	+/-136.5 VDC ± 10%	+/-13.65V x N (N=16~20)					
INDICATORS								
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions							
PHYSICAL								
Standard Model	Dimension,DxWxH (mm)	630 x 250 x 826			815 x 300 x 1000		N/A	
	Net Weight (kgs)	124	139	225	250			
Long-run Model	Dimension,DxWxH (mm)	630 x 250 x 826			815 x 300 x 1000		790 x 360 x 1010	
	Net Weight (kgs)	28	43	60	67	108	113	
ENVIRONMENT								
Operation Temperature	0-40°C							
Operation Humidity	< 95% and non-condersing							
Altitude**	0 ~ 1500m at full load							
Noise Level	Less than 60 dB @1 Meter			Less than 63 dB @1 Meter		Less than 65 dB @1 Meter		
MANAGEMENT								
Smart RS-232 / USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC							
Optional SNMP	Power management from SNMP manager and web browser							

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